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1. A massage device comprising:
head defining a cavity and defining an opening to the cavity, the head having a
first contact surface;
a post connected to the head, the post positioned within the cavity and extending
toward the opening, the post having a second contact surface;
a means for creating negative pressure within the cavity.

2. The device claimed in claim 1 wherein the first contact surface of the head
is substantially flat.

3. The device claimed in claim 1 wherein the second contact surface of the
post is substantially flat.

4. The device as claimed in claim 1 wherein the post is recessed within the
cavity.

5. The device as claimed in claim 1 wherein the post is substantially
cylindrical.

6. The device as claimed in claim 1 wherein the head further comprises a rim
and wherein the post is interior to the rim.

7. The device as claimed in claim 1 wherein the head further comprises a rim
and wherein the post is radially interior to the rim.

8. The device as claimed in claim 1 wherein the head further comprises a
rim, the rim being capable of creating a substantially air tight seal.

9. The device as claimed in claim 1 wherein the cavity and means for
providing negative pressure define a petrissage element and the first contact surface and
second contact surface define an effleurage element.

10. The device as claimed in claim 1 wherein the means for creating negative
pressure within the cavity is a vacuum source and wherein the head further comprises an
orifice, the orifice communication with the vacuum source.

11. A device for massaging or body contouring comprising:
a head, the head having one or more inner walls and a rim, the head defining a
cavity and an opening to the cavity, the opening being bordered by the
rim, the rim being capable of creating a substantially air tight seal;
a post connected to the head and extending toward the opening; and
means for creating negative pressure within the cavity

12. The device claimed in claim 11 further comprising one or more
substantially flat contact surfaces.

13. The device as claimed in claim 12 wherein the post has a substantially flat
contact surface.

14. The device as claimed in claim 11 wherein the head further comprises a rim and the rim has a substantially flat contact surface.

15. The device as claimed in claim 13 wherein the post is recessed within the cavity.

5 16. The device as claimed in claim 11 wherein the means for creating negative pressure within the cavity is a vacuum source and wherein the head further comprises an orifice, the orifice communicating with the vacuum source.

17. The device claimed in claim 16 wherein the post is connected to the inner wall of the head.

10 18. The device as claimed in claim 17 wherein the post is longitudinally adjustable during use.

19. A device for massaging or body contouring comprising:

a head having a concave inner wall and a rim, the concave wall defining an orifice communicating with a vacuum source and the rim having a substantially flat, contact surface, the concave wall and rim defining a cavity and an opening to the cavity, the cavity being substantially semi-spherical,

a post extending from the concave inner wall toward the opening, the post being slightly recessed within the cavity and having a substantially flat, contact surface, the post being substantially vertically cylindrical; and

20 25 handle defining an internal conduit within the handle, the conduit having a first open end and a second open end, the conduit communicating with the orifice at the first open end and communicating with the vacuum source at the second open end.

20. A device for massaging an object comprising:

means for generating an area of negative pressure along a surface of the object, the area having a perimeter;

means for applying positive pressure to the area of skin undergoing negative pressure internal to the perimeter of the area; and

30 means for moving the area of negative pressure along the surface of the object while continuing to apply positive pressure.

21. The device as claimed in claim 20 wherein the means for creating an area of negative pressure is a head defining a cavity and a rim, a cavity communicating with a vacuum source and the rim being capable of creating a substantially air tight seal and wherein the means for applying positive pressure is at least one post.

35 22. A method for massaging an object comprising:

creating an area of negative pressure on the object, the area of negative pressure defined by a perimeter of positive pressure;
applying a second positive pressure radially interior to the perimeter;
moving the area of negative pressure defined by the positive pressure perimeter along the surface of the object while continuing to apply the second positive pressure in the area under negative pressure.

5 23. An abrasion apparatus comprising:

means for delivering and retrieving material to and from a selected site to be abraded;

10 a delivery and retrieval hand piece, coupled to the delivery and retrieval means;
an abrasive handling device, coupled to the hand piece, comprising:

15 an abrasive supply device;

a receiving channel, coupled to the supply device;

a feeding chamber, coupled to the receiving channel;

20 a delivery channel, coupled to the feeding chamber and the hand piece;

a waste retrieval holding device, coupled to the hand piece, to collect and store the abrasive and waste debris after treatment.

25 24. The apparatus according to claim 23 wherein the delivery and retrieval means comprises a vacuum generator that generates a vacuum for drawing the abrasive through the apparatus.

26 25. The apparatus according to claim 23 wherein the abrasive supply device gravity feeds the abrasive to the feeding chamber.

27 26. The apparatus according to claim 23 wherein the receiving channel extends within the feeding chamber sufficient enough to control the amount of abrasive filling the feeding chamber.

28 27. The apparatus according to claim 23 wherein the feeding chamber comprises a top, a bottom, and generally inwardly sloped walls from the top to the bottom.

30 28. The apparatus according to claim 27 wherein the abrasive supply device comprises generally inwardly sloping walls with an opening at the bottom coupled to the receiving channel.

29 29. The apparatus according to claim 23 wherein the delivery channel connects to an inverted generally funnel-shaped collector channel used to receive abrasive within the feeding chamber and direct it to the delivery channel.

35 30. The apparatus according to claim 23 wherein the material retrieval holding device comprises a filter.

31. The apparatus according to claim 23 wherein the hand piece comprises a supply aperture and a return aperture.

32. The apparatus according to claim 23 wherein the hand piece comprises a removable tip that has an aperture that contacts the surface to be abraded.

5 33. An abrasive handling device for use in an abrasion apparatus, comprising:
a feeding chamber that has generally funnel-shaped portion that receives an abrasive;

a receiving channel that limits the amount of abrasive supplied to the feeding chamber;

10 an intake aperture, connected to a base of the feeding chamber to receive means for displacing the abrasive in a substantially vertical direction; and

15 a delivery channel, placed above the feeding chamber to receive the displaced abrasive.

34. The device according to claim 33 further comprising a generally funnel-shaped supply device, positioned above the feeding chamber and connected to the receiving channel.

35. The device according to claim 34 further comprising an abrading material holding container removably fitted with a funnel that fits within the supply device.

36. The device according to claim 33 wherein the device is pneumatically driven.

37. The device according to claim 33 wherein the funnel-shape of the lofting chamber forms an arc ranging approximately 40 degrees to 90 degrees.

38. The device according to claim 33 wherein the funnel-shape of the feeding chamber forms an arc of generally 60 degrees.

25 39. The device according to claim 36 further comprising an airflow regulator, coupled to the delivery channel, to regulate the flow abrasive during operation.

40. The device according to claim 33 wherein the delivery channel comprises an inverted funnel-shaped opening within the feeding chamber.

30 41. The device according to claim 33 further comprising a transition chamber disposed between the supply device and the feeding chamber.

42. A dermabrasion apparatus comprising:

a delivery and retrieval hand piece;

a dermabrasive handling device, coupled to the hand piece, comprising:

a dermabrasive supply device;

a receiving channel, coupled to the supply device;

35 a feeding chamber, coupled to the receiving channel;

a delivery channel, coupled to the feeding chamber and the hand piece; a waste debris receiving device, coupled to the hand piece, to collect and store waste debris and the dermabrasive after treatment.

43. A dermabrasion hand piece for use in a dermabrasion system to deliver and retrieve an abrasive to and from a site to be abraded during a dermabrasion procedure, the hand piece comprising:

a body having a first end, a second end, a delivery channel, a retrieval channel, the delivery channel being concentric with the retrieval channel and extending the length of the body, a delivery aperture, communicatively coupled to the first end and the delivery channel, and a retrieval aperture, communicatively coupled to the first end and the retrieval channel and concentric with the delivery aperture; and

a dermabrasion tip having a first end, which removably mounts to the first end of the body, a second end, a delivery aperture in the second end that is communicatively coupled with the body delivery aperture and the body retrieval aperture.

44. The hand piece according to claim 43 wherein the delivery channel includes an intake aperture and the retrieval channel includes an outlet aperture, both intake and outlet apertures positioned at the second end of the body with the intake aperture concentric with the delivery channel and the outlet aperture offset from the intake aperture.

45. The hand piece according to claim 44 wherein the removable tip is generally dome-shaped.

46. The hand piece according to claim 44 wherein the delivery channel comprises a hollow tube coupled between the first and second ends of the body.

47. The hand piece according to claim 46 wherein the hollow tube is removable.

48. The hand piece according to claim 47 wherein the body comprises a middle portion and an end portion removably connected to the middle portion.

49. The hand piece according to claim 44 further comprising a nozzle placed at the first end of the body adjacent the delivery aperture with an opening through which the abrasive passes.

50. The hand piece according to claim 44 further comprising a nose tube, concentric with the delivery channel and removably attached to the first end of the body.

51. The hand piece according to claim 44 further comprising an O-ring mounted on the first end of the body.

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52. A waste debris collection device for use in a dermabrasion system, the device comprising:

- a waste can receiver having an intake port and a return port;
- a waste canister removably coupled to the waste can receiver at an open end of the waste canister; and
- a filter disposed between waste can receiver and the waste can such that the intake port passes through the filter and the filter prevents waste debris from exiting the waste canister through the return port.

53. The waste debris collection device according to claim 52 further comprising a filter frame used to support and retain the filter in position between the waste can receiver and the waste canister and having an aperture through which the intake port passes.

54. The waste debris collection device according to claim 52 wherein the filter has an area substantially the same as the opening of the waste canister.

55. The waste debris collection device according to claim 52 further comprising pliable retention prongs to secure the filter between the waste canister and the waste canister receiver to prevent air-bleeding at the filter location.

56. The waste debris collection system according to claim 53 wherein the filter is removable.

57. The waste debris collection system according to claim 53 wherein the waste canister further comprises a removable lid to seal the waste canister upon removal from the waste can receiver.

58. The waste debris collection system according to claim 53 wherein the filter comprises a fabric having pores sufficiently small enough to prevent the abrasive and collected waste debris from passing therethrough.

59. An apparatus for performing dermabrasion or massaging, comprising:

means for generating negative pressure;

a massage device, coupled to the generating means, comprising:

a massage head;

a handle, coupled to the massage head and the generating means; and

a dermabrasion device, coupled to and operable by the generating means, comprising:

a delivery and retrieval hand piece;

a dermabrasive handling device, coupled to the hand piece; and,

a waste debris receiving device, coupled to the hand piece, to collect and store waste debris and the dermabrasive after treatment.

60. The apparatus according to claim 59 wherein the dermabrasive handling device gravity feeds the dermabrading material to the feeding chamber.

5 61. The apparatus according to claim 59 wherein the receiving channel extends within the feeding chamber a sufficient distance to control the amount of dermabrasive entering the feeding chamber.

10 62. The apparatus according to claim 59 wherein the feeding chamber comprises a generally funnel shaped chamber in which the dermabrasive is lofted during operation.

15 63. The apparatus according to claim 62 wherein the dermabrasive supply device comprises a generally funnel-shaped holder with an opening at a bottom tip of the holder to feed the receiving channel.

20 64. The apparatus according to claim 59 wherein the delivery channel connects to an inverted generally funnel-shaped collector channel to receive the dermabrasive within the feeding chamber and direct it to the delivery channel.

25 65. The apparatus according to claim 59 wherein the material retrieval holding device comprises a filter.

30 66. The apparatus according to claim 59 wherein the hand piece comprises a delivery aperture a retrieval aperture.

35 67. The apparatus according to claim 59 wherein the hand piece comprises a replaceable tip unit that has an opening.

70 68. The apparatus claimed in claim 59 wherein the massage head further comprises one or more substantially flat contact surfaces.

71. The apparatus as claimed in claim 59 wherein the massage head further comprises a rim and the rim has a substantially flat contact surface.

72. The apparatus as claimed in claim 59 wherein the means for creating negative pressure within the cavity is a vacuum source and wherein the head further comprises an orifice, the orifice communicating with the vacuum source.

73. A method for treating a skin surface comprising:
30 using a massage device, performing a deep tissue massage across a section of the skin; and

74. using a dermabrasion device, performing a dermabrasion treatment across the section of the skin.

75. The method for treating a skin surface according to claim 71 wherein the deep tissue massage performing step comprises:

76. generating an area of negative pressure on the skin surface, the area of negative pressure defined by a perimeter of positive pressure;

2003-07-22 10:00:00 2003-07-22 10:00:00

applying a second positive pressure radially interior to the perimeter, moving the area of negative pressure defined by the positive pressure perimeter along the surface of the skin while continuing to apply the second positive pressure in the area under negative pressure.

5 73. The method for treating a skin surface according to claim 71 wherein the dermabrasion treatment step comprises:

generating an area of negative pressure on the skin, the area of negative pressure defined by a perimeter of positive pressure; drawing dermabrasive material within the area of negative pressure on the skin to cause the dermabrasive material to abrade the skin surface; and using the negative pressure to remove the dermabrasive material and abraded skin debris to a refuse container.

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